LODM PTO-1595 (Hav. 6 93) OMB No. 0651 0011 (n)

U.S. DEPARTMENT OF COMMERCE ET Potent and Lindernark Office 101251976 Tab settings ⇔ ⇔ ⇔ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof 1. Name of conveying party(les): Name and address of receiving party(ies) (1) Kazumasa TAKEDA Name: FUJITSU LIMITED Internal Address: Additional name(s) of conveying party(les) attached? U. Yes. 🐯 No. 3. Nature of conveyance: Street Address 1-1, Kamikodanaka 4-chome ☐ Merger Nakahara-ku, Kawasaki-shi, ☐ Change of Name U Security Agreement ZIP: **211-858**8 Cily: Kanagawa U Other Country: Japan Execution Date: December 17, 1999 Additional name(s) & address(as) attached? U. Yes & No. 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is December 17, 1999 09/476733 A. Patent Application No.(s) B. Palent No.(s) Additional numbers attached? Li Yes Li No 6. Total number of applications and patents involved:

| DOCKET NO.:                              | TUJM 16.911                              |               |
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| 5. Name and address concerning documents | ss of party to whon<br>nent should be ma | •             |
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## ASSIGNMENT

Docket No. FUJM 16.911

| A MULTIPROCESSOR FATURE for which  (check one) DI an application is being filed concurrently herewith,  [1] an application for a Patent of the United States was filed on [1] and given Application Serial No.  and WHEREAS,  AND STATES LITHITED  having a place of business at 1-1, Kamalaodanaka 4-chome, Nakahara-ku,  Kawasaki-shi, Kanagawa 211-8588 Japan , ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:  NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good an valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, trans action, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, trans action over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, it successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and it is successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention and all divisions, renewals and continuations aftered, and all patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for protents, uniting models, and designs which may be recafter be filed for said invention in any country or countries foreign to the United States, uniternational agreement or the domestic laws of the country in which any such applications falled, as may be applications and the right to claim for the same the priority rights derived from said Dalied States application and the right to file successors in the priority protection on applications and applications and applications for applications and applications freed, and applications for single applications for graph in the priority of the priority of th | WHEREAS, the bel   | ow named inventor, ASSIGNOR, has ma   | de a certain new and usef  | ul invent   | ion in :  |  |
|---|--|---|--|---|---|--|
| Ceheck one   XI   an application is being filed concurrently herewith,       and given Application Serial No  |  |   | 1 CAFABIBITI OF  | 5151  | LIP KEDIAK  |  |
| (check one) [X] an application is being filed concurrently herewith, [] an application for a Patent of the United States was filed on [] and given Application Serial No.  and WHERHAS, [PUJITSU LIMITED] having a place of business at [Xawasask1-sh1, Kanagawa 211-2588 Japan] [Kawasask1-sh1, Kawasask1-sh1, Kaw  |  | SOR FAILURE   |  |   |   | <del></del>  |
| [ ] an application for a Patent of the United States was filed on         [ ] and given Application Serial No.  and WHEREAS, FUJINSU LIMITED having a place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-5588 Japan ASSIGNEI is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:  NOW, THEREPORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other grood an valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said invention, and avaluable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, unto the said revention, and avaluable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, unto the said invention, and avaluable consideration and all devisions, renewals and continuations thereof, and all Patients of the United States application and all Irelations, renewals and continuations thereof, and all Patients of the United States and the right to claim for the same the priority rights derived from said United States and the right to claim for the same the priority in which any such application is filed, as may be applicable and all forms of industrial property protection, including, without limitation, patients, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and States and States and States and requests the commissioner of Patients and Trademarks of the United States, and all extensions, renewals and roissues thereof.  ASSIGNOR authorizes and requests the Commissioner of Patients and Trademarks of the United States, and all extensions, renewals and roissues thereof.  ASSIGNOR authorizes a | T(A WINCH  |   |  |   | •   |  |
| and WHEREAS.  FUJITSU LIMITED having a place of business at Kawasaki-shi, Kanagawa 211-8588 Japan ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:  NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good an valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby self, assign, transfer and set over, unto the said ASSIGNEE, it successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transfer and set over, unto the said ASSIGNEE, it successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted for lapplications for patents, utility models, and designs which may be rearred for patents, titlify models, and designs which may be rearred for said invention in any country or countries foreign to the United States, together with the right to file successors of the United States, the International Gonvention for the Protection of Industrial property, or any other terms of the Country in which any such application is filed, as may be applicable and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any countries foreign to the United States and States and States and States and requests thereof.  ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and and Official of any country or countries foreign to the United States, whose  | (check one) [X]  | an application is being filed concurrently  | y herewith,  |   |   |  |
| nat WHEREAS.  FUJITSU LIMITED having a place of business at  1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan ASSIGNER is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:  NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good an valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transfer and ast over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, it successors, legal representatives and assigns, the entire right, title and interest in, to and under the said dassigned, transfer and set over, unto the said ASSIGNEE, it successors legal representatives and assigns, the entire right, title and interest in, to and under the said ASSIGNEE, it successors legal representatives and assigns, the entire right, title and interest in, to and under the said ASSIGNEE, it successors legal representatives and all divisions, renewals and continuations thereof, and all Patients of the United States and invention in any country or countries foreign to the United States, such that any country or countries foreign to the United States, tegether with the right to file sue applications and the right to claim for the same the priority rights derived from said United States application and all forms of industrial property, or any othe international Convention for the Protection of Industrial Property, or any othe international agreement or the domestic laws of the country in which any such application is filed, as may be applicable and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States, whose duty it is to issue patents or other evidence to forms of industrial property protection on applications, she full ri | []   | an application for a Patent of the United   | States was filed on  |   |   |  |
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| Kawasaki-shi, Kanagawa 211-8588 Japan ASSIGNEI is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:  NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good an valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, it successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said valuable consideration, the receipt of the United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filted for said invention in any country or countries foreign to the United States, supplication under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any othe international gereement or the domestic laws of the country in which any such application is filed, as may be applicated and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certific cates and designs which may be granted for said invention in any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, it successors, legal representatives and assigns, in accordance with the terms of this instrument.  AND ASSIGNOR authorizes and requests that he has full right to convey the entire interest herein assigned, and not execute, and will not execute, any ag | having a place of bu   | siness at 1-1, Kamikodan  | naka 4-chome, N  | Nakaha  | ara-ku,   |  |
| NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good an valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, trans ferred and set over, and by those presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, it successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all applications for industrial propert protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file sue applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, to the United States, together with the right to file sue application and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and lextensions, renewals and reissues thereof;  ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence of forms of industrial property protection on applications as aforesaid, to issue the said ASSIGNEE, it successors, legal representatives and assigns, in accordance with the terms of this instrument.  AND ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, and agrees that he will communicate to the said ASSIGNEE, its successor legal representatives and assigns, and accordance with the  | Kawasa}  | ki-shi, Kanagawa 211-858  | 38 Japan   |   |   |  |
| valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, it successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention and all divisions, renewals and continuations thereof, and all Patents of the United State which may be granted thereon and all reissues and extensions thereof; and all applications for industrial proper protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter belief for said invention in any country or countries foreign to the United States, together with the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any othe international agreement or the domestic laws of the country in which any such application is filed, as may be applicable and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;  ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and an Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence of forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, it successors legal representatives and assigns, in accordance with the terms of this instrument.  AND ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and not execute, and will not execute, any agreement in conflict herewith.  AND ASSIGNOR covenan  | is desirous of obtain  | ing the entire right, title and interest in, to   | o and under the said inver   | ntion and   | the said applicati  | on:  |
| not executed, and will not execute, any agreement in conflict hcrewith.  AND ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successor legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign a lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generall do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.  Full name of sole or first inventor  Kazumasa Takeda  Inventor's signature  Date  December 17, 199  Residence  Kawasaki-shi, Japan  Citizenship  Japanese  Post Office Address  Citizenship  Post Office Address  Full name of third joint inventor, if any  Third Inventor's signature  Date  Residence  Citizenship  Post Office Address  Citizenship  Post Office Address  Citizenship  Post Office Address  Citizenship  Post Office Address   | ferred and set over, successors, legal repsaid United States a which may be gramprotection, including filed for said inventapplications and the Patent Laws of the international agreement and all forms of incates and designs wall extensions, renewall extensions, | and by these presents does hereby sell, presentatives and assigns, the entire right, application and all divisions, renewals an ented thereon and all reissues and extendig, without limitation, all applications for ation in any country or countries foreign eright to claim for the same the priority. United States, the International Conventent or the domestic laws of the country dustrial property protection, including, which may be granted for said invention wals and reissues thereof; authorizes and requests the Commissione entry or countries foreign to the United States and assigns, in accordance of the property protection on applications as presentatives and assigns, in accordance of | assign, transfer and set of title and interest in, to an discontinuations thereof, a asions thereof; and all appatents, utility models, are not the United States, to rights derived from said Unition for the Protection of in which any such applicate without limitation, patents in any country or countries of Patents and Tradema states, whose duty it is to a aforesaid, to issue the with the terms of this instructions. | over, unto<br>ad under to<br>and all Pa<br>pplication<br>and design<br>ogether v<br>United St<br>f Industr<br>ation is fi<br>s, utility to<br>es foreign<br>arks of the<br>issue pa<br>same to<br>rument. | the said ASSIG the said invention atents of the Unite ins for industrial ins which may here with the right to tates application to ial Property, or a led, as may be approached, inventor' in to the United States, itents or other evit the said ASSIG | NEE, its, and the ed States property eafter be file such under the my other eplicable; s certificates and any idence or NEE, its |
| AND ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successor legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign a lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generall do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.  Full name of sole or first inventor  Kazumasa Takeda  Inventor's signature  Date  December 17, 199  Residence  Kawasaki-shi, Japan  Citizenship  Japanese  Post Office Address  C/O FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan  Full name of second joint inventor, if any  Second Inventor's signature  Date  Residence  Citizenship  Post Office Address  Full name of third joint inventor, if any  Third Inventor's signature  Date  Citizenship  Post Office Address  Citizenship  Post Office Address   |  |   |  | re interes  | st herein assigned  | , and has  |
| Inventor's signature  | AND ASSIGN legal representative lawful papers, executo everything possi  | OR further covenants and agrees that he is and assigns, any facts known respecting the all divisional, continuing, reissue and the said ASSIGNEE, its successible to aid the said ASSIGNEE, its successions.  | e will communicate to the<br>g said invention, and testi<br>d foreign applications, ma   | ify in any<br>ake all rig   | <ul> <li>legal proceeding<br/>ghtful oaths, and</li> </ul>  | g, sign all<br>generally   |
| Inventor's signature  | Full name of sole of   | r first inventor Kazumasa Ta  | keda   |   |   |  |
| Residence Kawasaki-shi, Japan Citizenship Japanese  Post Office Address C/O FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan  Full name of second joint inventor, if any Second Inventor's signature Date Residence Citizenship  Post Office Address  Full name of third joint inventor, if any Third Inventor's signature Date Residence Citizenship  Post Office Address  Citizenship  Post Office Address  |  |   |  | Date  | December 17   | . 1999   |
| Post Office Address   |  |   |  | -   |   |  |
| Full name of second joint inventor, if any Second Inventor's signature  |  |   |  |   |   |  |
| Full name of second joint inventor, if any Second Inventor's signature  | Fost Office Addres   |   |  |   |   |  |
| Second Inventor's signature Date  Residence Citizenship  Post Office Address  Full name of third joint inventor, if any  Third Inventor's signature Date  Residence Citizenship  Post Office Address  |  | Nawasaki-Sili, Kalagawa   | 211-0500 Bapan   | <del></del>   |   |  |
| Second Inventor's signature Date  Residence Citizenship  Post Office Address  Full name of third joint inventor, if any  Third Inventor's signature Date  Residence Citizenship  Post Office Address  |  |   |  |   |   |  |
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| Full name of third joint inventor, if any Third Inventor's signature  | Post Office Address  |   |  |   |   |  |
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| Third Inventor's signature Date  Residence Citizenship  Post Office Address   | Full name of third   | ioint inventor, if any  |  |   |   |  |
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